SBR no. 21/17-18
dt 05-5-2017

Original/Duplicate/Triplicate

NO 1st and final Bill

CONTRACT CERTIFICATE

Reference paras 158 & 170

Division Yelahanka | Sub division Yelahanka New Town | Date

Bills received No | Sub-divisional | Cash book vr No

YNK-DBR No 35 Date 09.05.17 | Divisional | Date

Sheduled Docket No | Head of account

Name of work(as per sanctioned estimate) :-

NAME OF WORK :Asphalting to roads and improvements to drains in Attur layout 6th, 7th, 8th and 9th main road of Attur ward no 03

Work Code:003-17-000011

Name of contractor and full address :- | **Technical Manager (west)**

Reference to agreement No :- 143 | **Estimated cost : 75.00** | **Work O.No :143, dt:31/03/2017**

Certified that the measurments were taken by me on and recorded on pages 465825 to 465839 of measurment book No 4659 and the work is satisfactorily executed by the contractor.

Signature of contractor

Asst. Engineer

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Certified that the measurments were taken by me on and recorded correct.The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immediate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

ಸಹಾಯಕ Sub-divisional officer
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%--------	Balance---	1st & Final ₹355708=00
3)		
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional Cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of		
b) Cost of payments/stores or other materials supplied now made recovery of		
Amount paid on this bill by cheque/cash		
Total		
5). Balance being unpaid value of work done held in reserve		ESD 26778=00
6) Deduct cash of advance made on divisional/sub divisional cash book		IT 14115=00
7) Net amount due to or from contractor.		VAT 29422=00
UN ADJUSTED ITEMS		LC 7358=00
8) Advance to contractor for materials to site(as detailed within)		CRF 7355=00
9) Value of government materials supplied.		LC 15290=00
TOTAL AMOUNT UN-ADJUSTED		T-D 104232=00
		Net 631076=00

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Reciept Stamp

Dated signature of contractor

Assistant Executive Engineer dated
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Cash Rs.....

Initials of officer making payment

Date

₹355708=00

631076=00 by Cheque

and Rs Date 104232=00 by adjustment

Executive Engineer

Accounts Officer
yelahanka Division
BBMP

Executive Engineer
yelahanka Division
BBMP

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
1	2	3	6	7	8	9	10
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3).	Sqm	1229.31	80.56	99033.21	1229.31	99033.21
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum.	530.34	86.92	46097.15	530.34	46097.15
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2	Cum.	1.05	5348.76	5616.20	1.05	5616.20

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200	Cum.	4.34	11032.48	47880.96	4.34	47880.96
5	KSRB 4.9.2 : Providing T .M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500	Tonne	0.26	59413.00	15447.38	0.26	15447.38

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 10cm thick	Sqm	635.26	825.74	524559.59	635.26	524559.59
7	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-	Sqm	10.50	4725.00	49612.50	10.50	49612.50
8	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301	Cum.	1377.9 ~~1336.06~~ 1336.06	48.76	~~67186.40~~ ~~65476~~	1377.90 ~~1336.06~~	67186.40 ~~65476~~

No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
9	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum.	688.95	1665.26	1147280.88	688.95	1147280.88
10	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum.	1018.43	1768.08	1800665.71	1018.43	1800665.71

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
11	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502	Sqm	4593	27.56	126583.08	4593.00	126583.08
12	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5	Cum.	4593	11.66	53554.38	4593.00	53554.38

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
13	KSRRB M500- 17. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and filler, transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500-10 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507	Cum.	229.65	6435.26	1477857.46	229.65	1477857.46

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
14	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509	Cum.	137.79	7270.54	1001807.71	137.79	1001807.71
15	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 7kms.	Cum.	1908.24 1866.4	90.4	172504.90 168722	1908.24 1866.4	172504.90 168722

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Present Measurement			Total Up to date	
			Qty	Rate	Amount	Qty	Cost
16	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	207.60	542.72	112668.67	207.60	112668.67
		TOTAL			6748356.13		6748356.13
17	Cost towards preparation of DPR PMC / QC @1.5%				101225.34		101225.34
18	Cost of plastic @ 8% bitumen qty for BC				41965.29		41965.29
19	KRIDL Charges 9%				607352.05		607352.05
		GRAND TOTAL			7498898.81		7498898.81

Ward no 03
Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP Bangalore